

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-263688

(43)Date of publication of application : 20.09.1994

(51)Int.Cl.

C07C 50/38  
 A61K 31/66  
 C07C 47/575  
 C07C 49/755  
 C07C309/65  
 C07F 7/18  
 C07F 9/53  
 // A61K 31/12  
 A61K 31/12

(21)Application number : 03-224287

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(22)Date of filing : 04.09.1991

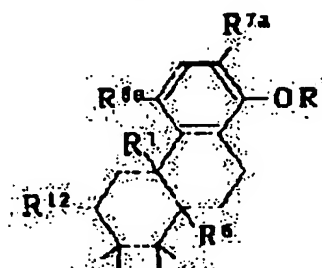
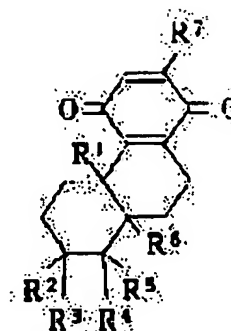
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## (54) PHENANTHRENE DERIVATIVE

## (57)Abstract:

PURPOSE: To provide a new compound useful for treating and preventing chronic inflammatory diseases such as chronic articular rheumatism as an interleukin-inhibiting agent.

CONSTITUTION: A compound of formula I (R1, R4 are lower alkyl; R2 is formyl; R3 is hydroxy; or R2 and R3 form an oxo; R5 is H, hydroxy lower alkyl, etc.; R6 is H, or R6 and R5 form a double bond; R7 is H, lower alkyl; but when R us lower alkyl, R us not hydroxymethyl), for example, 5,8-dimethoxy-1,4a- dimethyl-7-(1-methylethyl)-4,4a,9,10-tetrahydro-2(3H)-phenanthrenone. The compound is obtained e.g. by



oxidizing a compound of formula II (R2' is R2, carboxyl, etc.; R5' is R5, formyl, etc.; R7a is lower alkyl; R8a is lower alkoxy; R12 is H, OH) with an oxidizing agent such as chromic anhydride in an inert solvent such as DMF. The compound of formula II is a new substance and is extracted and isolated from e.g. *Tripterygium wilfordii*.

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## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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